

# Explosion proof Ballast and Emergency inverter for use with ARC lamps - LED version

## DESCRIPTION

The new Barel LED series is designed to replace fluorescent lamps in conventional luminaries for Ex zones 1 & 2. HFX LED is a constant current power supply designed to meet the special requirements of LED operation

HFXE LED version includes a battery charger and inverter to operate the LED lamp from a back-up battery

ARC 600 / ARC 1200 LED Lamps are designed to replace traditional fluorescent lamps

## Suitable for use in:

Superior functional life, practical use and high efficiency are the key benefits from choosing the new Barel Ex LED system in

Gas Stations

Fuel Reservoirs

Oil Tankers

Mines

Plants

Mills

On / Offshore installations



## TECHNICAL DATA

<b>HFX/HFXE Certification:</b>	Presafe 14 ATEX 5355U, IECEx PRE 14.0039U
<b>Apparatus category/EPL:</b>	Ex II 2G / Gb
<b>Type of protection:</b>	Ex eb mb IIC T4
<b>Amb. Temp.(Ta) / Tc:</b>	HFXE: (-52 to +65°C) / 77°C – HFX: (-42 to +65°C) / 77°C
<b>Rated voltage / Frequency:</b>	110 – 254V AC/ 220-250VDC / 50/60Hz / DC
<b>Power factor:</b>	0,90 – 0,96
<b>Basic dimensions (LxWxH):</b>	HFXE: 285 x 75 x 32 mm – HFX: 285 x 41 x 32 mm
<b>Weight (for reference only):</b>	HFXE: 960g – HFX: 510g
<b>ARC LED certification:</b>	Presafe 15 ATEX 6296U, IECEx PRE 15.0014U
<b>Apparatus category/EPL:</b>	Ex II 2G / Gb
<b>Type of protection:</b>	Ex mb op is IIC T4
<b>Amb. Temp.(Ta) / Tc:</b>	ARC600: (-52 to +65°C) / 80°C – ARC1200: (-52 to +65°C) / 80°C
<b>Light output Lumen:</b>	ARC600: 2500-2800 - ARC1200: 5000 - 5600 - Emergency: 25 %
<b>Battery pack:</b>	4,8V 4Ah or 8,4V 4Ah / NiCd ogrNiMh cells
<b>Expected system life time:</b>	>50000h at Ta 45°C
<b>Basic dimensions (LxWxH):</b>	ARC600: 576 x 61 x 11 mm – ARC1200: 1136 x 61 x 11 mm
<b>Weight (for reference only):</b>	ARC600: 630 g – ARC1200: 1250 g (for reference only)

